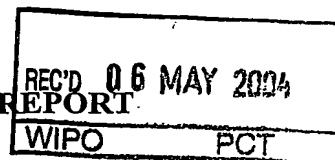


PATENT COOPERATION TREATY
PCT
INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)



Applicant's or agent's file reference 02369PC/BJ	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416).
International Application No. PCT/AU2003/000416	International Filing Date (day/month/year) 7 April 2003	Priority Date (day/month/year) 5 April 2002
International Patent Classification (IPC) or national classification and IPC Int. Cl.⁷ G06F 17/40, 17/60		
Applicant O'LEARY, Richard Charles & McCRYSTAL, John Anthony		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 4 sheets, including this cover sheet.

☒ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 18 sheet(s).

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☒ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 5 November 2003	Date of completion of the report 21 April 2004
Name and mailing address of the IPEA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929	Authorized Officer J.W. THOMSON Telephone No. (02) 6283 2214

I. Basis of the report**1. With regard to the elements of the international application:***

- ☐ the international application as originally filed.
- ☒ the description, pages 1 - 7, as originally filed,
pages , filed with the demand,
pages 8, 12, Annex 1 (13 pages) received on 2 April 2004 with the letter of 2 April 2004
- ☒ the claims, pages , as originally filed,
pages , as amended (together with any statement) under Article 19,
pages , filed with the demand,
pages 9 - 11, received on 2 April 2004 with the letter of 2 April 2004
- ☒ the drawings, pages 1 - 2, as originally filed,
pages , filed with the demand,
pages , received on with the letter of
- ☐ the sequence listing part of the description:
pages , as originally filed
pages , filed with the demand
pages , received on with the letter of

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages
- ☐ the claims, Nos.
- ☐ the drawings, sheets/fig.

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/AU2003/000416

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**1. Statement**

Novelty (N)	Claims 1 - 23	YES
	Claims	NO
Inventive step (IS)	Claims 1 - 23	YES
	Claims	NO
Industrial applicability (IA)	Claims 1 - 23	YES
	Claims	NO

2. Citations and explanations (Rule 70.7)**NOVELTY AND INVENTIVE STEP - Claims 1 to 23**

1. DEMOSPHERE INTERNATIONAL INC. Database Management (retrieved on November 26 2001). Retrieved from internet:
< URL:web.archive.org/web/20011225094220/www.demosphere.com/products/db-management.html >
2. US 5960407 A (Vivona) 28 September 1999
3. Derwent WPAT Online abstract Accession No 2002-233466/29, Class T01, JP2002055906 A (Softbank Broadmedia), 20 February 2002
4. Derwent WPAT Online abstract Accession No 96-155228/16, Class P36, JP 8038670A (Dainippon Printing CO LTD), 13 February 1996

Documents 1 to 4, cited in the International Search Report, are lacking in the characteristic feature of a participant identification means, at least. Accordingly, they do not have a bearing on the novelty or inventiveness of the claimed invention.

Additional citations:

5. US 5812049 A (UZI) 22 September 1998. See whole document.
6. US 5511045 A (SASAKI et al) 23 April 1996. See whole document.
7. US 5436611 A (ARLINGHAUS, Jr) 25 July 1995. See whole document.
8. US 5245162 A (TAKAHASHI) 14 September 1993. See whole document.
9. US 5194843 A (JONES et al) 16 March 1993. See whole document.

These citations differ from the claimed invention in that they do not disclose the use of a data collection means that is always portable. Claims 1 to 23 are therefore novel and involve an inventive step.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/AU2003/000416

VI. Certain documents cited

1. Certain published documents (Rule 70.10)

	Application No. Patent No.	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
P,A	US 2002/0143790	3 October 2002	29 March 2001	29 March 2001

This citation does not disclose the essential feature of a data collection means which is always portable.

2. Non-written disclosures (Rule 70.9)

Kind of non-written disclosure	Date of non-written disclosure (day/month/year)	Date of written disclosure referring to non-written disclosure (day/month/year)
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* Club Administrators

- All of the above plus
- Access to all of the club members contact details and statistics
- Ability to add club news and events and/or electronic newsletter
- 5 ○ Sponsorship opportunities on club pages
- Data distribution saves time and cost of physical reproduction
- Automatic collation of statistics
- Increased efficiency including access at all times via the internet
and reduction in paperwork and physical record keeping.

10 * Competition Administrators

- All of the above plus
- Real time collection of data including compilation, analysis and
review
- Opportunity cost with regard to useful time
- 15 ○ Compilation of player histories
- More convenient and useful access to information
- Simplified distribution of data including reducing level of manual
data distribution
- A variety of styles and filters provides access to a variety of
reports, and
- 20 ○ System adapted to suit the requirements of individual
associations.

25 A particular embodiment of the invention is described in the
instruction manual included as ANNEX 1 and forming part of the specification.

CLAIMS:

1. An administration system to assist administrators of an event having multiple participants, the system adapted to allow a system administrator to collect, analyse and distribute up to date information about at least one participant, the administration system comprising
 - a. a participant identification means issued to each participant, having at least one identifying feature of the participant recorded thereon;
 - b. at least one portable data collection means (DCM) adapted to allow collection of information relating to each participant of the event, upon presentation of the participant identification means, the at least one DCM portable both during and between events,
 - c. a remote data storage means associated with the at least one data processing unit to store at least a copy of all information collected by the data collection means, and
 - d. data distribution means adapted to allow access to the information contained in the data storage means.
2. The administration system according to claim 1 wherein the system operates on at least one computer having at least one controlling software application to control, maintain and update the information stored in the data storage means and the functions of the system.
3. The administration system according to claim 1 wherein the data collection means further includes an automatic checklist procedure associated with each data processing unit, the checklist procedure being adapted to recognize the at least one identifying feature of each participant and to update the information stored on the data storage means accordingly.
4. The administration system according to claim 1 wherein the data processing unit is used remotely from the data storage means.
5. The administration system according to claim 1 wherein the data processing unit is adapted to communicate remotely with the data storage means.

6. The administration system according to claim 1 wherein the data processing unit is adapted to provide at least one notification of a predetermined situation occurring.

5 7. The administration system according to claim 1 wherein the data storage means comprises a network of computers.

8. The administration system according to claim 1 wherein the data storage means is adapted to collect, analyse, collate or filter information stored therein and present the information for in a useable form.

10 9. The administration system according to claim 1 wherein the data processing unit stored the information collected at least temporarily.

10. The administration system according to claim 1 wherein the system operates in virtually instantaneously allowing real time updates.

11. The administration system according to claim 1 wherein the participant identification means includes a code recognisable by the data processing means, the code identifying a participant and allowing access to the participant's information stored on the data storage means.

12. The administration system according to claim 2 wherein the data processing means includes at least one software application compatible with the controlling software application to allow a user of the data processing means to access and filter information contained on the data storage unit.

13. The administration system according to claim 1 wherein the data distribution means is linked to the data storage means and is updateable therefrom.

14. The administration system according to claim 13 wherein the data distribution means is updated automatically at predetermined period from the data storage means.

15. The administration system according to claim 1 wherein a user is provided with one of a plurality of access levels each access level provided for security purposes and each access level granting access to information in response to parameters chosen by a user.

16. The administration system according to claim 15 wherein the access level of a user determines the type and extent of information accessible by that user.

17. The administration system according to claim 1 wherein the at least one data processing unit is adapted to collect information about each participant in order to allow the production and maintenance of records in an electronic form.

5 18. The administration system according to claim 17 wherein the information collected over a period of time is transferred to the data storage means at predetermined intervals and when transferred, updates the information stored in the data storage means.

10 19. The administration system according to claim 8 further including a reporting means for producing reports based on the information stored in the data storage means.

20. The administration system according to claim 13 wherein the data distribution means is adapted to receive and process requests for information from users and is adapted to analyse the information stored in the data storage means and to provide the requested information once the request for information has been processed.

15 21. The administration system according to claim 20 wherein a user is provided with one of a plurality of access levels each access level provided for security purposes and each access level granting access to information in response to parameters chosen by a user and processing the request includes checking that the user has access to the requested information.

20 22. The administration system according to claim 1 wherein the data processing means and the data storage means are both provided with access codes which are independent of each other.

25 23. The administration system according to claim 22 wherein more than one access code is provided for each of the data processing means and the data storage means.

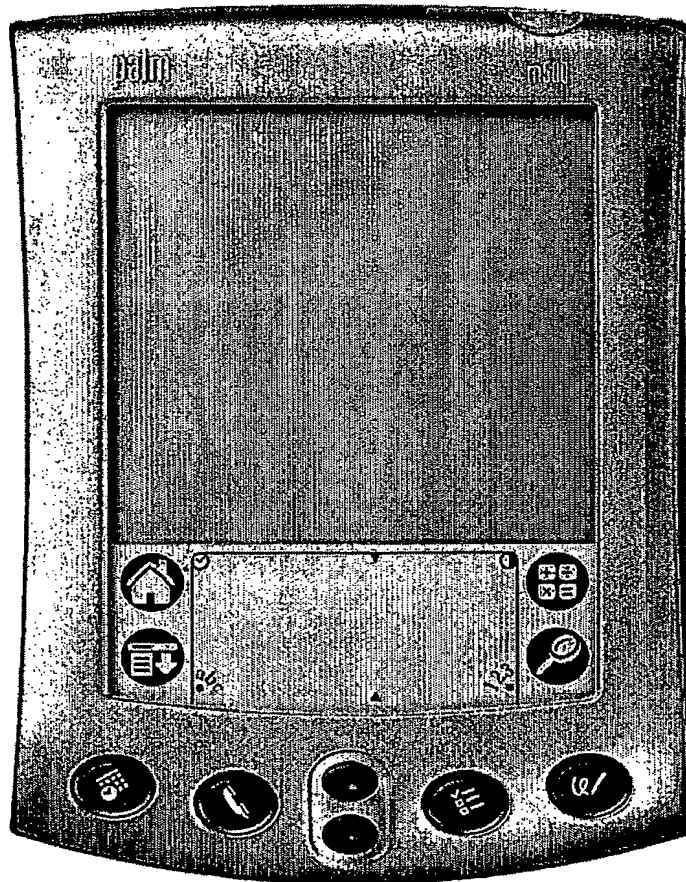
ABSTRACT

An administration system to assist administrators of an event having multiple participants, the system adapted to allow a system administrator to collect, analyse and distribute up to date information about at least one participant, the administration system comprising data collection means including a participant identification means for each participant having at least one identifying feature of the participant recorded thereon and at least one data processing unit adapted to allow recognize and collect information relating to each participant of the event, a data storage means associated with the at least one data collection means to store at least a copy of all information collected by the data collection means, and data distribution means adapted to allow access to the information contained in the data storage means.

ANNEX 1



Palm Unit Manual 1.0



Contents

Parts of the Palm Unit	3
Checklists	4
Start Day	5
Game Data	6
Scan Players and Officials	6
New Player	7
List Players	8
New Official	9
List Officials	9
Back	10
View/Edit	10
Lock Game	11
Finish Game	12
Officials Reports	13
Ground Marshal	13
Coach/Manager	13
Publicity BOG	13
Coaches Report	13
Goal Scorers	13
Umpire	14
Logon	14
Configure/Transfer	15
Setup	15
Send	15
Receive	16
Clear Data	16
Help	16
Maintaining the Palm Unit	17
Performing a Soft Reset	17

Checklists for Host Club

Pregame Checklist

1. Charge batteries on Palm Unit using Charging Cradle
2. Receive new data from AFL Administration to Palm Unit.
(The Palm unit will not work if this is not done, Configure/Transfer section of manual).

Game Time Checklist

1. Log On
This must be done first
New SAS controllers can log on at any time see Logon Section.
2. Ground Report
This is done once at the beginning of the day
3. Enter Players, Officials and other data.
4. Official Reports
This is done at the end of the game.

Post Game Checklist

1. Confirm that all necessary information has been entered.
2. Send data from Palm Unit to AFL Administration via modem
(see Configure/Transfer section of manual).
3. Recharge batteries using Charging Cradle

LOG ON

Using the Stylus at the right hand side of the Palm Unit tap **Log On**.

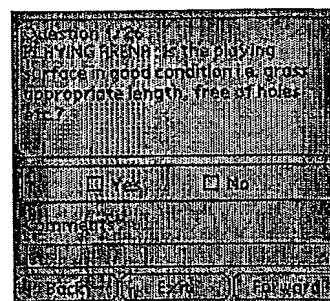
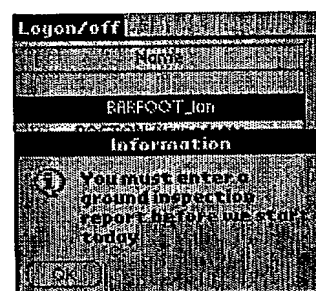
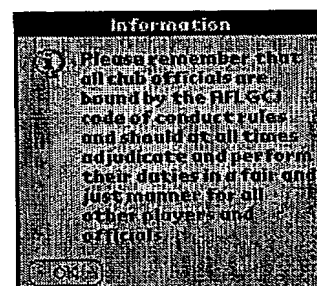
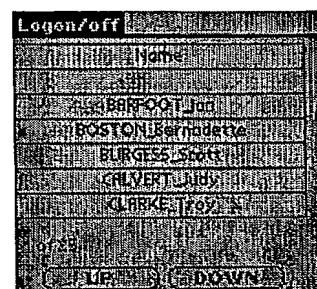
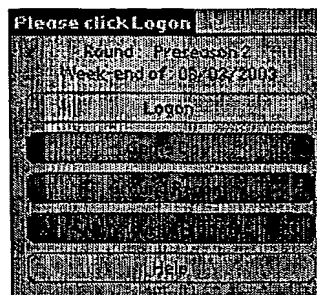
From the displayed list of names select the **SAS Coordinator** by tapping the name with the Stylus.

Read the next screen and confirm by tapping **OK**.

Ground Report

The screen will prompt you to enter a ground inspection report. Tap **OK**.

Answer a series of questions about the ground condition by tapping **Yes** or **No**. At the final question tap **Exit**.

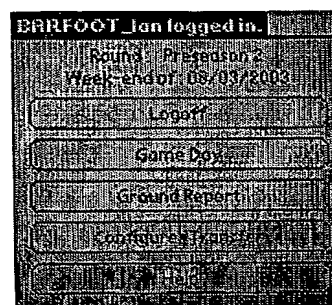


Enter Players, Officials and other data

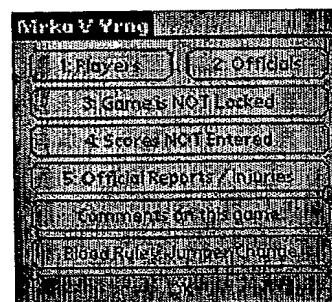
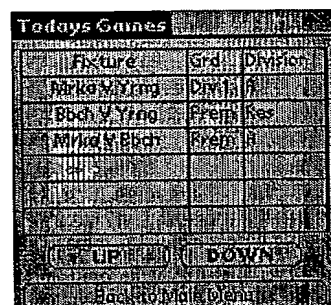
Game Day

Using the Stylus, tap **Game Day** at the Main Menu.

Choose a Fixture from the list of **Today's Games** to enter game data.



At this point the SAS Official can enter the players, officials and game data.



1: Players

Tap the down arrow at the top left of the Players screen and select the team.

A list of all player's in the Club or players playing at the Ground may be obtained by tapping the box beside "Club"

or "Ground" at the top right of this screen.

Tap the box at the left of each name to select a player. Tap the down arrow and select the Player's Jumper number if changes are required.

To see a player's details tap on the player's name.

Tap Done.

Continue until all players have been entered.

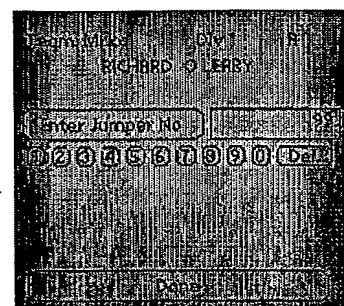
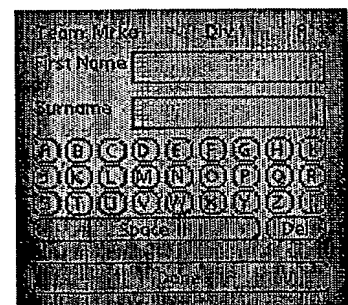
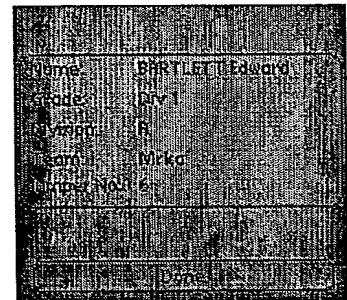
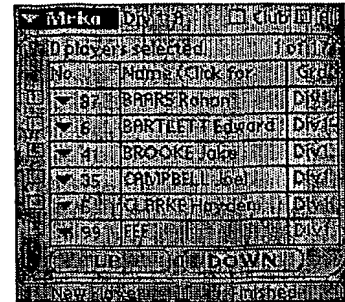
New Player

New players may be added by tapping the **New Player** button at the bottom left of the **Player** screen.

Enter the players details using the **on-screen keyboard**. Type the players First Name then Surname in the spaces provided and tap **Done** when complete.

Enter the Jumper Number in the space provided using the on-screen keyboard and tap **Done** when complete.

You are taken back to the Player's list.

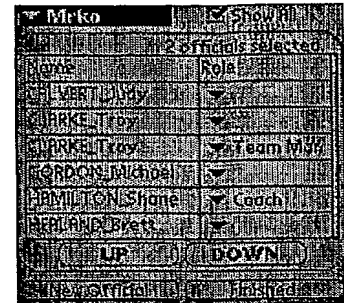


2. Officials

Tap the down arrow at the top left of the officials screen and select the team.

Tap the down arrow beside each Official's name to select their role during the game.

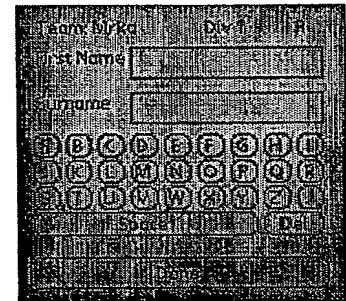
Continue until all Officials have been assigned.



New Official

New officials may be added in this section.

Enter the Official's details using the **on-screen keyboard**. Tap done when complete.



Lock Game

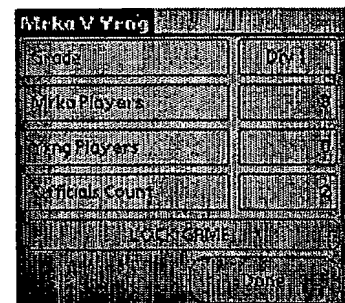
This function is done at half time when all players and officials have been entered.

Tap **Lock Game**

Tap the game you wish to lock.

Details of the game will appear on screen.

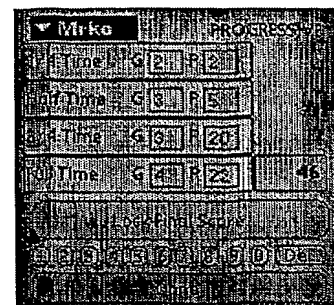
If insufficient players or officials have been scanned you will not be able to



Enter Scores

Scores of both teams are entered in this section.

The score is in a progressive format. Which means every quarter you add the points from the previous quarter with the points scored in that quarter.



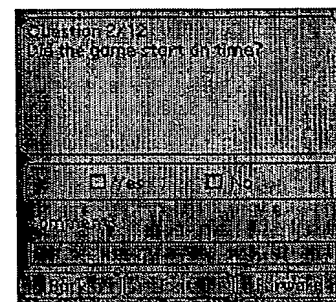
Officials Reports

Ground Marshal

Tap **Ground Marshal**

(If applicable to your league)

Answer each question by tapping on the **Yes** or **No** selection then tapping **OK**. If a comment is required, use the on-screen keyboard



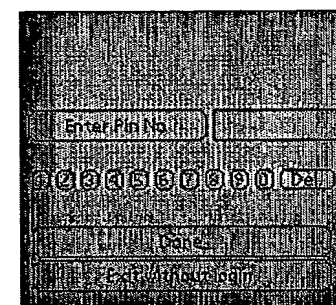
Umpire

This report is done by the umpire.

Tap **Umpires**

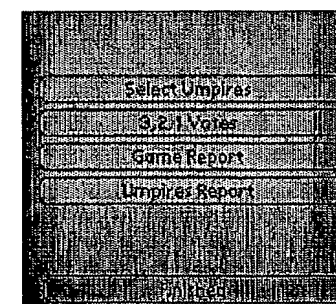
The Umpire must type in his/her PIN using the on-screen keyboard.

If the Umpire does not have a PIN the SAS coordinator will enter 1234 as the PIN.



When done is pressed the umpire will go to the main umpires page.

The umpire will have to do 4 reports.



Select umpires

From the list of umpires choose and select their role for the match.

Name	Role

UP DOWN FINISH

3,2,1, Votes

From the list of players in the game choose and select the 3,2,1 votes.

Name	Votes

UP DOWN FINISH

Game Report

Complete the report by ticking yes and no and if you wish to make a comment use the keypad.

Umpires Report

☐ Yes ☐ No

Comments

Back Forward

Umpires Report

Complete the report by ticking yes and no and if you wish to make a comment use the keypad.

Umpires Report

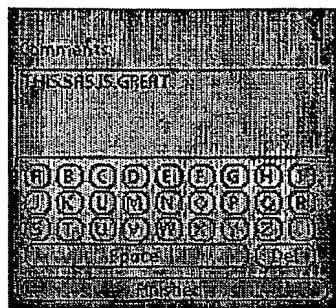
☐ Yes ☐ No

Comments

Back Forward

Comments on this game

Enter any comments you wish to communicate to administration which are not mentioned in the reports by using the keypad.



Blood rule / Jumper number

Choose the player by tapping on his name.

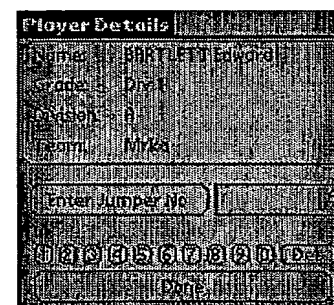
Change the jumper number by tapping in the box and using the keypad.

Press done when complete.



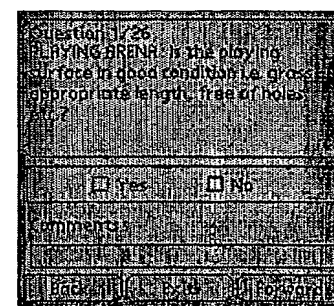
Ground report

You are asked to do a ground report when you first log on at the beginning of each day. If you wish to edit or do a new ground report for that day this is area you do it.



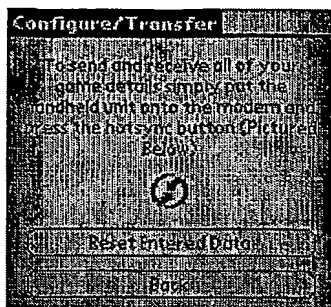
Configure/Transfer

This is the area where you connect and download the game information prior to game day and conversely at the end of the days play you will upload the days



information to the administration computer.

Firstly you will attach the modem to the palm m500. Secondly you will connect the phone line to the modem. Thirdly you will tap Configure/Transfer and push the hotsync button on the modem. The modem will automatically dial the administration computer and transfer your information.



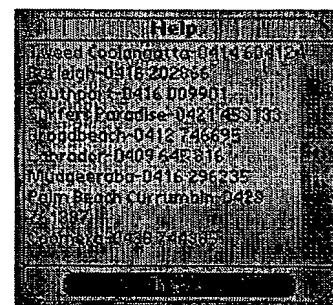
- Do not store or use the Palm Unit in any location that is extremely dusty, damp or wet.
- Use a soft lens cloth to clean the Palm Unit. If the surface of the screen becomes soiled, clean it with a soft cloth moistened with a diluted window cleaning solution.

Help

Tapping the Help button will reveal a list of SAS Club coordinators and SAS representatives contact phone numbers.

Maintaining the Palm Unit

- While not in use keep the Palm Unit fully charged by placing it on the charger unit provided.
- Use only the supplied stylus on the screen of the Palm Unit. Never use an actual pen or pencil or other sharp object on the surface of the Palm Unit.
- Do not expose the Palm Unit to rain or moisture for an extended period.
- The touch-sensitive screen on the Palm Unit contains a glass element. Take care not to drop the unit or subject it to any strong impact.



Performing a Reset

A reset can be performed if the Palm Unit locks up.

A reset tells your palm Unit to stop what it is doing and start over again. All records and entries stored in the Palm Unit are retained with a reset.

To perform a reset, find a pin or a thin spike and push the

● reset button on the back of the palm unit.

After a reset, the Palm Computing Platform Logo screen appears. Tap the SAS Game day logo to enter the program.

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